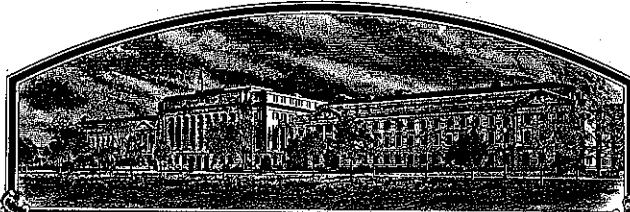


No.

9000013



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Ohio Agricultural Research and Development Center
Ohio State University and USDA-ARS

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *eighteen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, (THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM,* TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS LOTS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS REQUIRED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

(*Waived, except that this waiver shall not apply to breeder seed, foundation seed, labeling requirements, and blending limitations.)

SOYBEAN

'Hobbit 87'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C.

this 28th day of February in the year of our Lord one thousand nine hundred and ninety-two.

Attest

Kenneth Alvord
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Edward Madigan
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

FORM APPROVED: OMB NO. 0581-0055

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

| | | | |
|--|---|--|--|
| 1. NAME OF APPLICANT(S) Ohio Agricultural Research and Development Center and USDA-ARS | | 2. TEMPORARY DESIGNATION HC Hobbit BC | 3. VARIETY NAME Hobbit 87 |
| 4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) Ohio Agricultural Research and Development Center, Wooster, OH 44691 | | 5. PHONE (Include area code) 216-263-3875 | FOR OFFICIAL USE ONLY PVPO NUMBER 9000013 |
| 6. GENUS AND SPECIES NAME <u>Glycine max</u> | 7. FAMILY NAME (Botanical) Leguminosae | | FILING DATE <u>Oct. 16, 1989</u> TIME <u>1:45</u> <input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M. |
| 8. KIND NAME Soybeans | 9. DATE OF DETERMINATION 2/15/87 | | FEES RECEIVED AMOUNT FOR FILING \$ <u>1800.⁰⁰ + 350.⁰⁰</u> DATE <u>Oct. 16, 1989 - Nov. 24, 1989</u> AMOUNT FOR CERTIFICATE \$ <u>250.⁰⁰</u> DATE <u>Jan 13, 1992</u> |
| 10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.) Agricultural Experiment Station | | | |
| 11. IF INCORPORATED, GIVE STATE OF INCORPORATION | | | 12. DATE OF INCORPORATION |
| 13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS Dr. Richard L. Cooper, Department of Agronomy Ohio Agricultural Research and Development Center Wooster, OH 44691 PHONE (Include area code): 216-263-3875 | | | |
| 14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED a. <input checked="" type="checkbox"/> Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.) b. <input checked="" type="checkbox"/> Exhibit B, Novelty Statement. c. <input checked="" type="checkbox"/> Exhibit C, Objective Description of Variety (Request form from Plant Variety Protection Office.) d. <input type="checkbox"/> Exhibit D, Additional Description of Variety. e. <input checked="" type="checkbox"/> Exhibit E, Statement of the Basis of Applicant's Ownership. | | | |
| 15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act.) <input checked="" type="checkbox"/> Yes (If "Yes," answer items 16 and 17 below) <input type="checkbox"/> No | | | |
| 16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | 17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? <input checked="" type="checkbox"/> Foundation <input checked="" type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified | |
| 18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.? <input type="checkbox"/> Yes (If "Yes," give date) <input checked="" type="checkbox"/> No | | | |
| 19. HAS THE VARIETY BEEN RELEASED, OFFERED FOR SALE, OR MARKETING IN THE U.S. OR OTHER COUNTRIES? USA January 1, 1989 <input checked="" type="checkbox"/> Yes (If "Yes," give names of countries and dates) <input type="checkbox"/> No | | | |
| 20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties. | | | |
| SIGNATURE OF APPLICANT <u>Richard L. Cooper</u> | | DATE <u>Nov 3, 1989</u> | |
| SIGNATURE OF APPLICANT | | DATE | |

Hobbit 87

Exhibit A

Origin and Breeding History of the Variety

Hobbit 87 soybean [*Glycine max* (L.) Merr.] is a Phytophthora resistant version of Hobbit developed by backcrossing the Rps_1^k gene from Williams 82 into Hobbit. The initial cross between Hobbit and Williams 82 was made in 1979 by R. L. Cooper, USDA-ARS Soybean Breeder, at the Ohio Agricultural Research and Development Center, Wooster. Using Hobbit as the recurrent parent, Phytophthora resistant (Race 5) F_1 and BCF_1 (or BCF_2) plants were backcrossed to Hobbit^k for five generations to obtain the Hobbit genotype containing the Rps_1^k gene. This procedure is outlined below:

- 1979 Field-Initial cross of Hobbit X Williams 82
- 1979 Fall Greenhouse-Hobbit X F_1
- 1980 Spring Greenhouse-Hobbit X resistant BCF_1
- 1981 Spring Greenhouse-Hobbit X resistant BC_2F_2
- 1981 Field-Hobbit X resistant BC_3F_1
- 1981 Fall Greenhouse-Hobbit X resistant BC_4F_1
- 1982 Field-Planted 20 BC_5F_1 s

The 20 BC_5F_1 plants were single plant threshed and their progeny (20 F_2 plants/ F_1) were screened against Race 5 of Phytophthora root rot in the 1982 Fall Greenhouse to identify resistant BC_5F_2 plants. The resistant (R_-) plants were progeny tested in the BC_5F_3 in the 1983 Field to identify homozygous resistant (RR) BC_5F_2 plants. Fourteen homozygous resistant BC_5F_2 -derived lines were identified. This resistance was confirmed in the 1983 Fall Greenhouse and these 14 lines were planted in the field in 1984 in 4-row, 20-foot plots with 2 replications for yield testing. The 8 lines highest in yield and most similar to Hobbit in other agronomic characteristics, were advanced for a second year of yield testing in replicated 4-row plots in 1985. These 8 lines were bulked to form HC Hobbit BC and entered in the Uniform Test III, Northern States in 1986 and yield tested, in comparison with the recurrent parent, Hobbit, in Iowa, Illinois, Indiana, Kansas, Kentucky, Missouri, Nebraska, New Jersey, Ohio, Pennsylvania, South Dakota and Ontario, Canada. Breeder's Seed increase (1 hectare) of HC Hobbit BC was also planted by Ohio Foundation Seeds at Croton, OH in 1986 to produce 2700 kg of seed in anticipation of potential release. HC Hobbit BC was released in 1987 and Breeder's Seed was distributed to the releasing states of Ohio, Illinois, Indiana, Iowa, Nebraska and Missouri. HC Hobbit BC was named Hobbit 87 in accordance with Regional policy to identify the year of release of a Phytophthora resistant backcross version of an existing variety. Publicity release was September 1, 1988.

Variants observed during the development of this variety were few. In the 1986 increase of Breeder's Seed, no variants were observed except for those few that might be traced back to slight admixtures resulting from incomplete combine clean out and these plants were rogued out. Variants resulting in future generations should be within allowable Certification maximums.

Hobbit 87

Exhibit B

Novelty Statement and Botanical Description of the Variety

Hobbit 87 is determinate (dt, dt₁) semidwarf variety of mid-Group III maturity. Hobbit 87 can be distinguished from all other Group III indeterminate (Dt, Dt₁) varieties by its determinate growth habit which results in an abrupt termination in further plant height increase shortly after the onset of flowering and a terminal cluster of flowers and pods. It can be distinguished from all other determinate semidwarf varieties, except Gnome 85 and Sprite 87 by its resistance to multiple races of Phytophthora root rot (races 1 thru 10, 13, 14, 15, 17, 18, 21 and 22), due to the presence of the Rps_{1k} gene. It can be distinguished from Gnome 85 by its later maturity (5 days later than Gnome 85) and white flowers. Gnome 85 has purple flowers. Hobbit 87 can be distinguished from Sprite 87 by its more slender plant type (slender versus bushy), smaller seed size (15.6 gms versus 16.7 gms/100 seed) and absence of (or very low) peroxidase activity in the seed coat compared to high peroxidase activity in the seed coat of Sprite 87.

Like all determinate semidwarf varieties, Hobbit 87 was developed specifically for high yield environments where early lodging frequently limits the yield of taller indeterminate varieties. Because of its smaller plant type and greater lodging resistance, Hobbit 87 is especially responsive to narrow rows (solid-seeding in 17- to 25-cm row widths) and high seeding rates (562,000 to 750,000 seed/hectare in 17-cm rows). Although Hobbit 87 will yield well in 75-cm row widths, it is recommended for solid-seeding to maximize yields.

Hobbit 87 has white flowers, tawny (or brown) pubescence, tan pods and yellow seeds with a black hilum

Most Similar Variety

The variety most similar to Hobbit 87 is Hobbit but Hobbit 87 can readily be distinguished from Hobbit by its resistance to multiple races of Phytophthora root rot. Hobbit has no known resistance to specific races of Phytophthora root rot.

Uniform Regional Tests III, 1986 (Mean of 19 locations)

| Variety | Yield | Matur- ity | Lodging | Height | Seed Quality | Seed Size | Composition | |
|-----------|--------|---------------|----------------------|----------|----------------------|--------------|-------------|------|
| | | | | | | | Protein | Oil |
| | (bu/A) | (data) | (score) ¹ | (inches) | (score) ² | g/100 | | |
| Hobbit 87 | 51.1 | 9-19 | 1.3 | 22 | 1.9 | 15.6 | 38.2 | 22.2 |
| Hobbit | 49.5 | 9-18 | 1.2 | 20 | 1.9 | 15.7 | 37.8 | 22.9 |

¹ 1 = erect, 5 = prostrate

² 1 = very good, 5 = very poor

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN & SEED DIVISION
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Soybean)

OBJECTIVE DESCRIPTION OF VARIETY
SOYBEAN (*Glycine max* L.)

| | | |
|---|---------------------------------------|---|
| NAME OF APPLICANT(S) Ohio Agricultural Research and Development Center and USDA-ARS | TEMPORARY DESIGNATION HC Hobbit BC | VARIETY NAME Hobbit 87 |
| ADDRESS (Street and No., or R.F.D. No., City, State, and Zip Code) Ohio Agricultural research and Development Center, Wooster, OH 44691 | | FOR OFFICIAL USE ONLY PVPO NUMBER 9000013 |

Choose the appropriate response which characterizes the variety in the features described below. When the number of significant digits in your answer is fewer than the number of boxes provided, place a zero in the first box when number is 9 or less (e.g., 0 9). Starred characters ★ are considered fundamental to an adequate soybean variety description. Other characters should be described when information is available.

1. SEED SHAPE:

1

1 = Spherical (L/W, L/T, and T/W ratios = < 1.2)
3 = Elongate (L/T ratio > 1.2; T/W = < 1.2)

2 = Spherical Flattened (L/W ratio > 1.2; L/T ratio = < 1.2)
4 = Elongate Flattened (L/T ratio > 1.2; T/W > 1.2)

★ 2. SEED COAT COLOR: (Mature Seed)

1

1 = Yellow 2 = Green 3 = Brown 4 = Black 5 = Other (Specify) _____

3. SEED COAT LUSTER: (Mature Hand Shelled Seed)

2

1 = Dull ('Corsoy 79'; 'Braxton') 2 = Shiny ('Nebsoy'; 'Gasoy 17')

★ 4. SEED SIZE: (Mature Seed)

1 6

Grams per 100 seeds

★ 5. HILUM COLOR: (Mature Seed)

6

1 = Buff 2 = Yellow 3 = Brown 4 = Gray 5 = Imperfect Black 6 = Black 7 = Other (Specify) _____

★ 6. COTYLEDON COLOR: (Mature Seed)

1

1 = Yellow 2 = Green

★ 7. SEED PROTEIN PEROXIDASE ACTIVITY:

1

1 = Low 2 = High

★ 8. SEED PROTEIN ELECTROPHORETIC BAND:

1 = Type A (SP1^a) 2 = Type B (SP1^b)

★ 9. HYPOCOTYL COLOR:

1

1 = Green only ('Evans'; 'Davis') 2 = Green with bronze band below cotyledons ('Woodworth'; 'Tracy')
3 = Light Purple below cotyledons ('Beeson'; 'Pickett 71')
4 = Dark Purple extending to unifoliate leaves ('Hodgson'; 'Coker Hampton 266A')

★ 10. LEAFLET SHAPE:

3

1 = Lanceolate 2 = Oval 3 = Ovate 4 = Other (Specify) _____

11. LEAFLET SIZE:

☐ 21 = Small ('Amsoy 71'; 'A5312')
3 = Large ('Crawford'; 'Tracy')

2 = Medium ('Corsoy 79'; 'Gasoy 17')

12. LEAF COLOR:

☐ 31 = Light Green ('Weber'; 'York')
3 = Dark Green ('Gnome'; 'Tracy')

2 = Medium Green ('Corsoy 79'; 'Braxton')

★ 13. FLOWER COLOR:

☐ 1

1 = White

2 = Purple

3 = White with purple throat

★ 14. POD COLOR:

☐ 1

1 = Tan

2 = Brown

3 = Black

★ 15. PLANT PUBESCENCE COLOR:

☐ 2

1 = Gray

2 = Brown (Tawny)

16. PLANT TYPES:

☐ 11 = Slender ('Essex'; 'Amsoy 71')
3 = Bushy ('Gnome'; 'Govan')

2 = Intermediate ('Amcor'; 'Braxton')

★ 17. PLANT HABIT:

☐ 1

1 = Determinate ('Gnome'; 'Braxton')

2 = Semi-Determinate ('Will')

3 = Indeterminate ('Nebsoy'; 'Improved Pelican')

★ 18. MATURITY GROUP:

☐ 61 = 000
9 = VI

2 = 00

10 = VII

3 = 0

11 = VIII

4 = I

12 = IX

5 = II

13 = X

6 = III

7 = IV

8 = V

★ 19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

BACTERIAL DISEASES:

★

☐ 2Bacterial Pustule (*Xanthomonas phaseoli* var. *sojensis*)

★

☐ 0Bacterial Blight (*Pseudomonas glycinea*)

★

☐ 0Wildfire (*Pseudomonas tabaci*)

FUNGAL DISEASES:

★

☐ 0Brown Spot (*Septoria glycines*)Frogeye Leaf Spot (*Cercospora sojae*)

★

☐ 0

Race 1

☐ 0

Race 2

☐ 0

Race 3

☐ 0

Race 4

☐ 0

Race 5

☐

Other (Specify)

☐ 0Target Spot (*Corynespora cassicola*)☐ 2Downy Mildew (*Peronospora trifoliorum* var. *manshurica*)☐ 0Powdery Mildew (*Microsphaera diffusa*)

★

☐ 0Brown Stem Rot (*Cephalosporium gregatum*)☐ 0Stem Canker (*Diaporthe phaseolorum* var. *caulivora*)

19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant) (Continued)

FUNGAL DISEASES: (Continued)

- ★ ☐ 0 Pod and Stem Blight (*Diaporthe phaseolorum* var. *sojae*)
- ☐ 0 Purple Seed Stain (*Cercospora kikuchii*)
- ☐ 0 Rhizoctonia Root Rot (*Rhizoctonia solani*)
- Phytophthora Rot (*Phytophthora megasperma* var. *sojae*)
- ★ ☐ 2 Race 1 ☐ 2 Race 2 ☐ 2 Race 3 ☐ 2 Race 4 ☐ 2 Race 5 ☐ 2 Race 6 ☐ 2 Race 7
- ☐ 2 Race 8 ☐ 2 Race 9 ☐ 2 Other (Specify) 10, 13, 14, 15, 17, 18, 21, 22 (contains Rps₁^k gene)

VIRAL DISEASES:

- ☐ 0 Bud Blight (Tobacco Ringspot Virus)
- ☐ 0 Yellow Mosaic (Bean Yellow Mosaic Virus)
- ★ ☐ 0 Cowpea Mosaic (Cowpea Chlorotic Virus)
- ☐ 0 Pod Mottle (Bean Pod Mottle Virus)
- ★ ☐ 0 Seed Mottle (Soybean Mosaic Virus)

NEMATODE DISEASES:

- Soybean Cyst Nematode (*Heterodera glycines*)
- ★ ☐ 1 Race 1 ☐ 1 Race 2 ☐ 1 Race 3 ☐ 1 Race 4 ☐ Other (Specify) _____
- ☐ 0 Lance Nematode (*Hoplolaimus Colombus*)
- ★ ☐ 0 Southern Root Knot Nematode (*Meloidogyne incognita*)
- ★ ☐ 0 Northern Root Knot Nematode (*Meloidogyne Hapla*)
- ☐ 0 Peanut Root Knot Nematode (*Meloidogyne arenaria*)
- ☐ 0 Reniform Nematode (*Rotylenchulus reniformis*)
- ☐ OTHER DISEASE NOT ON FORM (Specify): _____

20. PHYSIOLOGICAL RESPONSES: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

- ★ ☐ 1 Iron Chlorosis on Calcareous Soil
- ☐ Other (Specify) _____

21. INSECT REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

- ☐ 1 Mexican Bean Beetle (*Epilachna varivestis*)
- ☐ 1 Potato Leaf Hopper (*Empoasca fabae*)
- ☐ Other (Specify) _____

22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.

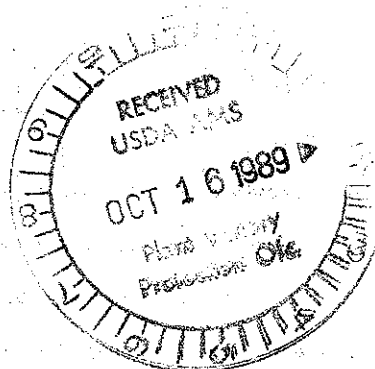
| CHARACTER | NAME OF VARIETY | CHARACTER | NAME OF VARIETY |
|-------------|-----------------|-----------------------|-----------------|
| Plant Shape | Hobbit | Seed Coat Luster | Hobbit |
| Leaf Shape | Hobbit | Seed Size | Hobbit |
| Leaf Color | Hobbit | Seed Shape | Hobbit |
| Leaf Size | Hobbit | Seedling Pigmentation | Hobbit |

23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY: Paired Comparison Data

| VARIETY | NO. OF DAYS MATURITY | PLANT LODGING SCORE | CM PLANT HEIGHT | LEAFLET SIZE | | SEED CONTENT | | SEED SIZE G/100 SEEDS | NO. SEEDS/POD |
|-----------------------------------|----------------------|---------------------|-----------------|--------------|-----------|--------------|-------|-----------------------|---------------|
| | | | | CM Width | CM Length | % Protein | % Oil | | |
| Submitted | 125 | 1.3 | 22 | -- | --- | 38.2 | 22.2 | 15.6 | 2.5 |
| Hobbit Name of Similar Variety | 124 | 1.2 | 20 | -- | --- | 37.8 | 22.9 | 15.7 | 2.5 |

PUBLICATIONS USEFUL AS REFERENCE AIDS FOR COMPLETING THIS FORM:

1. Caldwell, B.E., ed. 1973. Soybeans: Improvement, Production, and Uses. Amer. Soc. Agron. Monograph No. 16.
2. Buttery, B.R. and R.I. Buzzell. 1968. Peroxidase activity in seeds of soybean varieties. Crop Sci., 8: 722-725.
3. Hymowitz, T. 1973. Electrophoretic analysis of SBTI-A₂ in the USDA soybean germplasm collection. Crop Sci., 13: 420-421.
4. Payne, R.C. and L.F. Morris. 1976. Differentiation of soybean cultivars by seedling pigmentation patterns. J. Seed Technol. 1: 1-19.



Hobbit 87

Exhibit E

Basis of Ownership

Hobbit 87 variety is considered jointly owned by the Ohio Agricultural Research and Development Center of The Ohio State University (OARDC-OSU) and the USDA, Agricultural Research Service (ARS). The basis for this position is (1) the five backcrosses to introduce the Rps_1^k gene for multiple race resistance to Phytophthora root rot into Hobbit were made at the OARDC, Wooster, OH, from 1979 to 1981 by R. L. Cooper who is a Research Agronomist with the USDA-ARS and Adjunct Professor in the Department of Agronomy, OARDC-OSU (2) the homozygous resistant BC_5F_2 -derived lines were evaluated by Dr. Cooper in 1984 and 1985 and similar lines were composited to from Breeder's Seed of Hobbit 87 in 1986 and (3) the line (HC Hobbit BC) was entered as an Ohio breeding line in Uniform Regional tests in 1986 without claims being made upon it. The seed supply was continuously under the control of OARDC-OSU and USDA-ARS until the spring of 1989 when seed will become publicly available after inspection and tagging as certified seed.

9000013

PLANT VARIETY PROTECTION OFFICE

Gentlemen:

Subject: Application No.
Variety and Kind: Soybean, 'Hobbit 87'

As provided in section 83(a) of the Plant Variety Protection Act, 7 U.S.C. 2321, we request that the Certificate on the above variety be issued with a notation on the Certificate that the right to exclude others from selling, offering for sale, reproducing, importing or exporting the variety covered by this Certificate, or using it in producing a hybrid or different variety is waived, except that this waiver shall not apply to breeder's seed, foundation seed, labeling requirements, and blending limitations.

It has been agreed that the Certificate should be issued in the name(s) of:

Ohio Agricultural Research & Development Center, Ohio State

University and USDA-ARS

May 3, 1989
(Date)

Richard L. Coates
(Signature)